

Docket No.: 28944/500020  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Magali Rouquie et al.

Application No.: 10/568,718

Confirmation No.: 7056

Filed: February 15, 2006

Art Unit: Not yet assigned

For: Method for Modeling and Simulating a  
Biological System and Model for Carrying out  
this Method

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Examiner: Not yet assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the references listed on the PTO/SB/08 are provided.

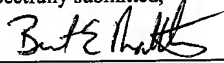
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-3629.

Dated: June 26, 2006

Respectfully submitted,

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/568,718
				Filing Date	February 15, 2006
				First Named Inventor	Magali Rouquie et al.
				Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
				Attorney Docket Number	28944/50020
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†*
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO/ 02/099736 A1	12/12/2002	Physiome Sciences, Inc.		
		WO/ 03/007217 A1	01/23/2003	Physiome Sciences, Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document, by the appropriate symbols as indicated on the document under WIPO Standard ST 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published.	† <sup>2</sup>
		M Roux-Rouquie, et al "Using the Unified Modeling Language (UML) to Guide Systemic Description of Biological Processes and Systems," Biosystems Journal, in press pages 1-12	
		Priami C, Regev, et al.: "Application of a Stochastic Name-Passing Calculus to Representation and Simulation of Molecular Processes." Information Processing Letters 80 (1): 23-31 (2001)	
		Bader, Gary, et al.: "Bind a Data Specification for Storing and Describing Biomolecular Interactions, Molecular Complexes and Pathways: Bioinformatics, 2000 May 16(5): 465-477	
		De Jong H. "Modeling and Simulation of Genetic Regulatory Systems: A Literature Review", Pages 1-43 (September 2000)	
		Korenblat K., et al.: "Extraction of Pi-calculus Specifications from a UML Sequence and State Diagrams", Technical Report DIT # 03.07, Pages 1-17, (February 2003)	
		Rzhetsky, A., et al., "A Knowledge Model for Analysis and Simulation of Regulatory Networks", Bioinformatics Ontology (2000 December 18), Vol. 16 no12 2000, Pages 1120-1128	
		International Search Report PCT/FR2004/002115; report filed August 12, 2005	
		Slepchenko, Boris, et al "Computational cell Biology: Spatiotemporal Simulation of Cellular Events", Annual Review of Biophysics and Biomolecular Structure, Vol. 31, (2002), pages 423-441	
		Loew, Leslie, et al., "The Virtual Cell: A Software Environment for Computational Cell Biology", Trends in Biotechnology, Elsevier Publications, Cambridge, GB, Vol. 19, No 10, (October 1, 2001), Pages 401-406	
		Tomita M et al., "E-Cell: Software Environment for Whole-Cell Simulation" Bioinformatics, Oxford University Press, Surrey, GB, Vol. 15, No. 1, (1999), Pages 72-84	

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Examiner Signature	Date Considered
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